

## CLAIMS

What is claimed is:

1. An electronic device comprising:  
a user input device for receiving input from a user;  
a user device processing unit for performing functions of the electronic device;  
a use pattern monitoring device for monitoring use patterns of the user and an associated memory for storing use pattern information;  
a cognitive logic device for determining adjustments to the user device processing unit based on the use pattern information; and  
a user device processing unit controller for adjusting the user device processing unit in response to the determined adjustments.
2. The electronic device of claim 1 wherein the determined adjustments include changes to parameters, configurations and states of the user device processing unit.
3. The electronic device of claim 1 wherein the cognitive logic device uses a cognitive model that creates rules based on an observed interactions of the user.
4. The electronic device of claim 3 wherein the user device unit controller selectively turns off rules in response to user interaction through the user input device.
5. The electronic device of claim 1 wherein the cognitive logic device categorizes the use pattern information into either common interaction patterns or style interaction patterns and adjusting the electronic device based on the common interaction patterns and selectively adjusting the electronic device based on the style interaction patterns in response to a current user interaction style.

6. A wireless transmit/receive unit (WTRU) comprising:  
a user input device for receiving input from a user;  
a processing unit for performing functions of the electronic device;  
a use pattern monitoring device for monitoring use patterns of the user and an associated memory for storing use pattern information;  
a cognitive logic device for determining adjustments to the processing unit based on the use pattern information; and  
a processing unit controller for adjusting the processing unit in response to the determined adjustments.

7. The WTRU of claim 6 wherein the processing unit comprises a digital signal processor (DSP) and a reduced instruction set (RISC) processor.

8. The WTRU of claim 6 wherein the determined adjustments include changes to parameters, configurations and states of the processing unit.

9. The WTRU of claim 6 wherein the cognitive logic device uses a cognitive model that creates rules based on an observed interactions of the user.

10. The WTRU of claim 6 wherein the processing unit controller selectively turns off rules in response to user interaction through the user input device.

11. An electronic device comprising:  
a user input device for receiving input from a user;  
a user device processing unit for performing functions of the electronic device;  
a use pattern monitoring device for monitoring use patterns of the user and an associated memory for storing use pattern information;  
a cognitive logic device for determining adjustments to the user device processing unit based on the use pattern information; and

a user device processing unit controller for adjusting the user device processing unit in response to the determined adjustments.

12. An integrated circuit comprising:
- an input configured to receive input from a user;
  - a processing unit, coupled to the input, for performing functions of an electronic device;
  - a use pattern monitoring device, coupled to the processing unit, for monitoring use patterns of the user;
  - an associated memory for storing use pattern information;
  - a cognitive logic device, coupled to the associated memory, for determining adjustments to the user device processing unit based on the use pattern information;
  - and
  - a processing unit controller, coupled to the cognitive logic device and processing unit, for adjusting the user device processing unit in response to the determined adjustments.

13. A method for use with an electronic device, the electronic device performing steps comprising:
- receiving user inputs at the electronic device indicating interactions of the user with processing of the electronic device;
  - determining interaction patterns of the user with the electronic device;
  - using the determined interaction patterns, determining adjustments for the electronic device; and
  - adjusting the electronic device using the determined adjustments.

14. The method of claim 13 wherein the determined adjustments include changes to parameters, configurations and states of a processing unit.

15. The method of claim 13 wherein the determining adjustments uses a cognitive model that creates rules based on an observed interactions of the user.

16. The method of claim 15 further comprising selectively turning off rules in response to user interaction through the user input device.

17. The method of claim 13 wherein the determining interaction patterns comprises categorizing the use pattern information into either common interaction patterns or style interaction patterns and the electronic device is adjusted based on the common interaction patterns and selectively adjusted based on the style interaction patterns in response to a current user interaction style.

18. A method for use with an electronic device, the electronic device performing steps comprising:

receiving user inputs from a plurality of users at the electronic device indicating interactions of the users with processing of the electronic device;

determining interaction patterns of the users with the electronic device;

categorizing the determined interaction patterns as either common interaction patterns or style interaction patterns;

based on the determined interaction patterns, determining adjustments for the electronic device;

categorizing the determined adjustments as either common adjustments or style adjustments; and

adjusting the electronic device using the common adjustments and selectively applying the style adjustments in response to a current user interaction style.